

IN THE CLAIMS:

Please amend claim 32 as follows:

1-31. (Cancelled)

32. (Currently Amended) A contactless detector comprising:

a radiation energy probe for remotely receiving radiation energy from the skin at a brain tunnel, said probe including a column for receiving radiation energy, said column including a distal end and a proximal end,

a sensor located at said proximal end of said column,

said distal end of said column being a window configured for directly receiving all of the radiation energy from the brain tunnel from the distal end to the proximal end of the column, along an unobstructed path, said column having a constant cross section with a largest inner dimension of less than 3.0 mm, ~~and~~

a ratio of a length of said column to the constant cross section of said column being at least 10:1, and

a separation distance detecting arrangement for maintaining a separation distance between the radiation energy probe and the skin at the brain tunnel.

33. (Withdrawn) A detector comprising:

a radiation energy probe for remotely receiving radiation energy from the skin at a brain tunnel, said probe including a lens for collimating radiation energy received from the brain tunnel.

34-46. (Cancelled)

47. (Previously Presented) The contactless detector as claimed in claim 32, wherein the length of said column is about 3 cm.

48. (Cancelled)